|  |  |  |
| --- | --- | --- |
| Parameter | values | Explanation |
| Layer thickness | 5-50 mm |  |
| Number of layers | 1 - 4 |  |
| Speed of sound (compressional) | 1480-1600 m/s (soft tissue), 2000-3000 (bone) |  |
| Density | 930-1100 kg/m^3 (soft tissue), 2000 (bone) |  |
| Shapes of inclusions | Circle, ellipsoid, from mask image |  |
| Diameter of inclusions | 1-5 mm |  |
| Numbers of inclusions | 0-4 |  |
| Contrast of inclusions | -20 to 20 dB | Inclusions are created by modifying the magnitude of the speckle inside hypoechoic – scatterers inside are weaker than the background (negative contrast) hyperechoic – scatterers inside are stronger than the background (positive contrast) anechoic – no scatterers inside |

Imaging Parameters

|  |  |  |
| --- | --- | --- |
| Parameters | values | Explanation |
| Focal d  epth |  | For focused transmit acquisition |
| Center frequency | 1 – 10 MHz |  |
| (Fractional) Signal bandwidth | 30 – 100 % |  |